

Mouse CD54 Monoclonal Antibody | anti-CD54 antibody

MOUSE ANTI RAT CD54

CATALOG #	HOST	APPLICATIONS
AAA49443	Mouse	Immunohistochemistry, Immunoprecipitation, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry

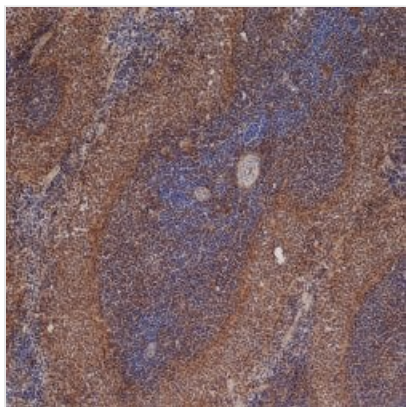
PRODUCT SYNONYMS

CD54; Monoclonal Antibody; MOUSE ANTI RAT CD54; anti-CD54 antibody

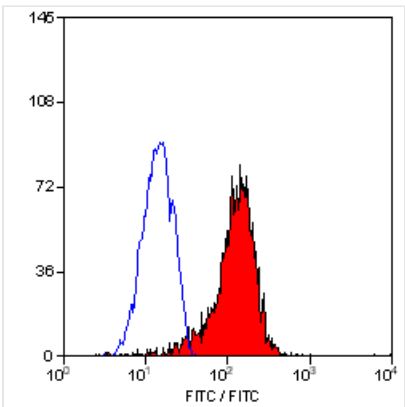
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1A29
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	545
Applicable Applications for anti-CD54 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide Preparation
Immunogen	Rat Ax cells (a HEV derived cell line) Fusion Partners
Target Species	Rat
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

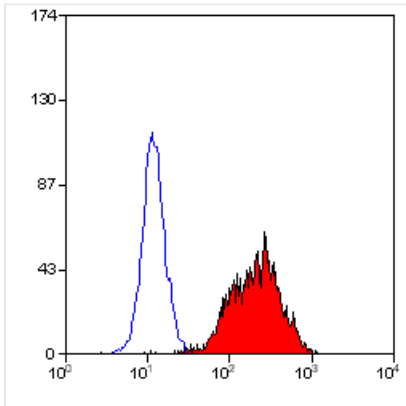
IMAGES



Application Data
Staining of frozen rat spleen with Mouse anti Rat CD54



Application Data
Staining of stimulated rat spleen cells with Mouse anti Rat CD54:FITC



Application Data
Staining of stimulated rat spleen cells with Mouse anti Rat CD54:Alexa Fluor 488

ADDITIONAL INFORMATION

Related Product Information for anti-CD54 antibody	Mouse anti Rat CD54 antibody, clone 1A29 recognizes the rat CD54 cell surface antigen, also known as intercellular adhesion molecule-1 (ICAM-1), a 90kD adhesion molecule belonging to the immunoglobulin superfamily. CD54 is a cell surface ligand of the lymphocyte integrin, LFA-1 and is known to play an important role in various cell-cell interactions in the immune system. Recent studies suggest that cross-linking of ICAM-1 using clone 1A29 induces calcium signalling (Etienne, S. et al.). Functionally 1A29 inhibits homotypic aggregation of PHA blasts.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981068
NCBI GeneID	25464
NCBI Accession #	NP_037099.1
NCBI GenBank Nucleotide #	NM_012967.1
UniProt Accession #	Q00238
Molecular Weight	60,142 Da
NCBI Official Full Name	intercellular adhesion molecule 1
NCBI Official Synonym Full Names	intercellular adhesion molecule 1
NCBI Official Symbol	Icam1

NCBI Official Synonym Symbols	CD54; ICAM
NCBI Protein Information	intercellular adhesion molecule 1; ICAM-1
UniProt Protein Name	Intercellular adhesion molecule 1
UniProt Gene Name	Icam1
UniProt Synonym Gene Names	Icam-1; ICAM-1
UniProt Entry Name	ICAM1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd54-antibody-clone-1a29-immunohistochemistry-immunoprecipitation-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/49443>